

## Contact

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## Top Skills

Artificial Intelligence (AI)

Data Science

Developer Relations

## Languages

French (Elementary)

# Hugo Bowne-Anderson

Data and AI scientist, consultant. writer, educator, machine learner, podcaster.

Darlinghurst, New South Wales, Australia

## Summary

I'm an independent data and AI scientist, consultant, writer, educator & podcaster. My interests include promoting data & AI literacy/ fluency, helping to spread data skills through organizations and society and lowering the barrier to entry for data science, analysis, and machine learning. Previously, I was Head of Developer Relations at Outerbounds, a company committed to building infrastructure that provides a solid foundation for machine learning applications of all shapes and sizes. I am also the host of the industry podcast Vanishing Gradients. I was previously Head of Marketing and Data Science Evangelism at Coiled, building solutions for scalable data science and machine learning in Python. Before this, I was at DataCamp, a data science training company educating over 4 million learners worldwide through interactive courses on the use of Python, R, SQL, Git, Bash and Spreadsheets in a data science context. While there, I spearheaded the development of over 25 courses in DataCamp's Python curriculum, impacting over 250,000 learners worldwide through my own courses. I hosted and produced the data science podcast DataFramed, in which I used long-format interviews with working data scientists to delve into what actually happens in the space and what impact it can and does have.

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## Experience

### Freelance

Independent Data and AI Scientist

July 2024 - Present (10 months)

### Outerbounds

Head of Developer Relations

February 2022 - August 2024 (2 years 7 months)

### Coiled

Head of Data Science Evangelism and Marketing

May 2020 - October 2021 (1 year 6 months)

## DataCamp

4 years 3 months

### Data Scientist

September 2017 - May 2020 (2 years 9 months)

### Curriculum Engineer (Python)

March 2016 - May 2020 (4 years 3 months)

DataCamp is a Boston-based startup that provides online, interactive training in data science. Founded in 2013, the company participated in TechStars NYC during the spring of 2015, received their first round of VC funding soon after, and now has over 350,000 registered users worldwide.

At DataCamp, I am responsible for building out the Python curriculum. This involves everything from mapping out long-term curriculum goals to devising courses to (the best part!) working with state-of-the-art instructors from academia, industry and development to build interactive data science courses. We provide instructors the opportunity to significantly expand their reach, influence, and impact, while also supplementing their income through our generous revenue sharing program.

For more reasons why you should consider working with us, see [datacamp.com/create](https://datacamp.com/create)

## Yale University

### Postdoctoral Associate/Writer

2013 - March 2016 (3 years)

--Developing statistical models for the growth and structure of neurons, in collaboration with experimentalists (we use the Class IV sensory neuron in *Drosophila* larvae as a model system). Daily tasks include constructing master equations, developing analytical solutions and performing simulations via numerical integration and Monte Carlo methods, along with devising probability models, implementing statistical tests and analyzing large amounts of data.

-- Developing quantification methods for gene-expression and alternative splicing across a variety of organisms. To do so, we mine publicly available RNA-seq datasets ( $>10^6$  data points), develop statistical models, utilize statistical hypothesis tests and implement both supervised and unsupervised learning models on big data.

Max Planck Institute for Molecular Cell Biology and Genetics  
Postdoctoral Fellow  
2011 - 2013 (2 years)

--Predictive mathematical modeling of microtubule dynamics; analyzed in vitro data to construct a model that accounted for the multistep nature of catastrophe and the relative insensitivity of lifetime with respect to tubulin concentration; techniques employed include analytic solutions to master equations developed from our models, parameter estimation (e.g. maximum likelihood estimation), implementation of Monte Carlo simulations and statistical tests.

-- Acted as statistical/mathematical consultant for biologists in the lab: this included helping experimentalists to form their hypotheses precisely and mathematically, to ask well-posed scientific questions, and to analyze their data using statistical hypothesis testing.

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## Education

UNSW Australia

Doctor of Philosophy (PhD), Pure Mathematics · (2006 - 2011)

University of Sydney

Bachelor of Science (B.S.) (First Class Honors), Mathematics, English Literature · (2001 - 2005)